Patent

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Peter MALM et al.

Application No.: 10/622,742

Filing Date:

July 21, 2003

Group Art Unit: 2183

Examiner: Unassigned

Confirmation No.: 9979

Title: FAST ITERATION TERMINATION OF TURBO DECODING

SECOND INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

tement and accompanying form PTO-1449 for .17(p) is also enclosed18180.00 (1806) as set forth in 37 C.F.R. for the fee due. the fee due. opriate fees under 37 C.F.R. §§ 1.16, 1.17 and
for the fee due.
rpayment, to Deposit Account No. 02-4800.
tfully submitted,
, DOANE, SWECKER & MATHIS, L.L.P.
Penny L. Caudle nny L. Caudle gistration No. 46,607
> >

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Peter MALM et al.

Application No.: 10/622,742

Filing Date:

July 21, 2003

Group Art Unit: 2183

Examiner: Unassigned

Confirmation No.: 9979

Title: FAST ITERATION TERMINATION OF TURBO DECODING

SECOND INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

he a	bove-identified patent application.	osure Statement and accompanying form PTO-1449 to
	No additional fee for submission of an IDS is The fee of \$180.00 (1806) as set forth in 37 A statement under 37 C.F.R. § 1.97(e) is also A statement under 37 C.F.R. § 1.97(e), and the § 1.17(p) are also enclosed. Charge to Deposit Account No. A check in the amount of is en	C.F.R. § 1.17(p) is also enclosed. enclosed. ne fee of \$180.00 (1806) as set forth in 37 C.F.R. 02-4800 for the fee due.
		any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 an it any overpayment, to Deposit Account No. 02-4800.
		Respectfully submitted,
		BURNS, DOANE, SWECKER & MATHIS, L.L.P.
Alexa	Box 1404 andria, Virginia 22313-1404	By Penny L. Caudle

(703) 836-6620

Date: <u>March 15, 2004</u>

Penny L. Caudle

Registration No. 46,607



TURBO DECODING

N THE WAITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Peter MALM et al.

Application No.: 10/622,742

Filed: July 21, 2003

For: FAST ITERATION TERMINATION OF

Confirmation No.: 9979

SECOND INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. The documents were cited in a European Search Report dated March 5, 2004.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

To assist the Examiner, the document is / documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date <u>March</u> 15, 2004

Registration No. 46,607

P.O. Box 1404 Alexandria, Virginia 22313-1404 (703) 836-6620

VA 81710.1

						OIPE
Substitute for form 1	1449A/PTO & 14	49B/PTO		Com	plete if Known	/ %
	SE	COND		Application Number	10/622,742	MAR 1 5 2007
INFO	RMATIC	ON DIS	CLOSURE	Filing Date	July 21, 2003	1 1 1 1 2004
STATEMENT BY APPLICANT (use as many sheets as necessary)			PPLICANT	First Named Inventor	Peter MALM et al.	E. Cur
			essarv)	Examiner Name	Unassigned	PRADEMARK
Sheet	1 1	of	1	Attorney Docket Number	040072-217	

U.S. PATENT DOCUMENTS						
Examiner Initials	Document Number					
· ·						

FOREIGN PATENT DOCUMENTS						
Examiner	Document Kind Code		Country	Date of Publication (MM-DD-YYYY)	Translation Yes No	
Initials	Number	(if known)		(IVIIVI-DD-1111)	162	INC
					ļ <u>.</u>	
					ļ <u>-</u>	ļ
						ļ
					 	
						

NON-PATENT LITERATURE DOCUMENTS					
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
	Ye Liu et al., "An Interactive Concatenated Turbo Coding System", June 25, 2000, page 367; ISIT 2000, Sorrento, Italy				
	A. Ambroze et al., "Practical aspects of iterative decoding", IEE Proceedings: Communications, Institution of Electrical Engineers, GB, Vol. 147, No. 2, 14 April 2000, pp. 69-74				
	M. Bickerstaff et al., "A 24Mb/s radix-4 LogMAP turbo decoder for 3GPP-HSDPA mobile wireless", ISSCC 2003, Session 8, Communications Signal Processing, Paper 8.5, 9 February 2003, pp. 1-10				
	U. Dasgupto et al., "Parallel decoding of turbo codes using soft output T-algorithms", VTC 2000, vol. 3, 24 September 2000, pp. 1204-1210				
	M. J. Thul et al., "A scalable system architecture for high-throughput turbo-decoders", IEEE Workshop on Signal Processing Systems (SPIS '02) (Cat. No. 02TH8638), IEEE Workshop on Signal Processing Systems (SIPS'02), San Diego, CA, 16-18 October 2002, pp. 152-158				

Examiner	Date	
Signature	Considered	